INDEX TO VOLUME 158, JANUARY-JUNE, 1938

AGRICULTURE

Bees, Benefits of ... 363
"Brown Patch" Controlled ... 295
Everglades, Farms in ... 325
Fertilizer, Heat Treated Phosphate ... 58
Insecticide (Nicotine Thiocyanate) ... 169
Insecticides, Colored ... 228
Insects, Vanishing ... 109
"Mechanical Mole" Builds Ridge ... 31
Milk, Deodorizing ... 170
Moonlight, Effect of, on Crops ... 57
Oil Heat Saves Fruit ... 81
Plant Breeding ... 129, 133
Poison Sprays on Vegetables ... 105
Potato Sorting Machine ... 32
Radio Waves Treat Seeds ... 238
Rodents, Repelling ... 158
Soil-less Agriculture At Home ... 362
Timber Raising ... 56

AIR CONDITIONING

Balsam-Wool Insulation ... 227
Employee Sickness Reduced ... 235
Insulation, Folded Aluminum ... 296
Mica for Insulation ... 298
Store System ... 292

ALLOY BUILDING ... 78, 152

ARCHEOLOGY, ANTHROPOLOGY, and ETHNOLOGY

Lost City of Nevada ... 273
Ra-Mose and Hat-Nufer ... 14
Sumerian Culture ... 202

ARMY AND NAVY

Aircraft Carriers, Design of ... 68
Bomber, *XPBS-1* ... 162
Germ Warfare ... 9
Naval Construction ... 166
Naval Defense, Better ... 137
War, The Next ... 201
Warship Design, Aircraft Influence on ... 151

ASTRONOMY

Advances in Astronomical Research ... 142
Auriga, Huge Star in ... 206
Finds, New Astronomical ... 346
General Catalog Completed ... 282
Stars, Nearest ... 20
Stars, Pulsating ... 84

AUTOMOBILES

Design and Safety ... 34
Design, Ultra-Modern (Phantom Corsair) ... 168
Driver Training ... 329
Engine, Building V-16 ... 146
Engine Head, Copper-Alloy ... 291
Fiat "500" ... 172
Four-Wheel-Drive V8 ... 355
Gear Shift Remote Control ... 223
Headlights, Non-Glare ... 355
Skid Dangers, Study of ... 227
Tire Valves, Bendable ... 239
Tractor, Amphibion ... 352
Tractor, High Speed ... 228
Traffic Survey ... 17
Trailer for Freight ... 32
Truck, New Armored ... 94

AVIATION

Aircraft and the Merchant Marine ... 100
Aircraft, Detection of ... 290
Aircraft Radio, Inventions in ... 162
Air Liner of the Future ... 288
Airship, Revival of? ... 350
Boeing Stratoliner ... 350
Bomber, *XPBS-1* ... 162
Bombing, The Sport of Amateur ... 104
Clipper Ship, Building A ... 82
Deafness, Flying, Controlled ... 165
Douglas *DC-4* ... 289
Engine, Multiple ... 352
Engine Power Calculator ... 288
Engines for Light Planes ... 351
Fighting Plane, *XFM-1* ... 257
Flap Indicator ... 289
Flight Analyzers ... 101
Glider Meet, Elmira ... 52
High Altitude for Safety ... 104
Industrial Aspects of Aviation ... 54
Inspection of Airplanes ... 225
Mapping from the Stratosphere ... 160
Mayo Composite Seaplane ... 53
Mock-Ups ... 160
Motorized Balloon, *C-6* ... 225
Motorized Balloons ... 164
Night Landing, Photograph of ... 162
Orientator, Airport ... 290
Private Flyers, Planes for ... 103
Pursuit Plane, *P-37* ... 289
Radio Transmitter, Aircraft ... 288
Regulations, New Civil Air ... 104
Rockets, Progress with ... 270
Seaplane Landings ... 52
Static Detector ... 225
Sub-Stratosphere Plane, Lockheed ... 226
Test House for Motors ... 224
Torpedo Boat, Navy ... 351
Transatlantic Terminal ... 54
Vertaplane, The Herrick ... 102
Warship Design, Aircraft Influence on ... 151
World's Fair, Aviation Section at ... 288

BIOGRAPHY and PORTRAITS

Bendix, Vincent ... 259
Clemenceau, Georges ... 77
Cogshall, W. A. ... 143
Comstock, Anthony ... 75
Goddard, Robert H. ... 271
Horan, John M. ("Soda Ash Johnny") ... 226
House, Edward Mandell ... 77
Jacobs, Thornwell ... 158
Johnston, John ... 3
Moss, Sanford A. ... 226
Nation, Carrie ... 74
Newton, Sir Isaac ... 76
Pauling, Linus ... 131
Spemann, Hans ... 138
Stevens, Thad ... 76
Swedenborg, Emanuel ... 75
Wilson, Woodrow ... 77

BIOLOGY

Enzymes ... 138
Life, Can Man Create? ... 219
Microbes for the Future ... 175

BUILDING CONSTRUCTION

Insulation, Folded Aluminum ... 296
Laboratory, Newly Designed ... 159
Mica for Insulation ... 298
Stone, Manufactured ... 45
Timbers, New Joints for ... 294

BUSINESS

Caveat Vendor ... 189
Corporation Licenses ... 189
Federal Trade Commission, New Powers for ... 379
Photo-Lettering Machine ... 230
Political Management ... 348
Price Cutting ... 253, 317
Protecting Agreements ... 189
RFC Competition ... 379
Taxation of Fuel Oil ... 265

CHEMISTRY

Aerogels ... 175
Alcohols from Sugar ... 30
Blueprinting Through Ordinary Paper ... 96
By-Product Utilization ... 297
Cellophane ... 274
Coal, Chemicals Do Not Improve ... 108
Combustion, Self-Extinguishing ... 37
Corrosion Resistant Tank Lining ... 297
Cyclohexylamine ... 94
Fluorine, Removing, from Water ... 291
Glass Stoppers ... 292
Micro-Analysis ... 276
Oat Hulls, Solvents from ... 39
Perfumes, Synthetic, Excel ... 98
Power from Bacteria ... 208
Refractory, New Synthetic ... 92
Resins, New Thermoplastic ... 299
Senses of Smell and Taste ... 107
Starch, Sweet Potato ... 280
Synthetic Hard Materials ... 354
Tobacco, Ethylene Treatment of ... 298
Water Softener, Zeo-Karb H ... 352
Wetter Water ... 56

COLORS, NEW SYSTEM FOR NAMING ... 284

CRIMINOLOGY

Criminals, Treatment of ... 297
Marihuana ... 293
Teeth, Identification by the ... 90

ELECTRICITY

Cable Tracer ... 348
Cathode Ray Tube ... 105, 156
Dental Light ... 354
Furnace Elements, High Temperature ... 58, 171
Light Bulb, 14-Foot ... 107
Light, Industry Needs More ... 197
Light, Self-Contained Reflector in ... 361
Lighting Controlled by Photo-Electric Cells ... 235
Lightning Behavior ... 96
Low Temperatures Magnetically ... 168
Meters, Recording and Indicating ... 171
Network Calculator ... 293
Resonoscope ... 105
Shovel Kept Level, Electric ... 222
Switch, Silent Wall ... 174
Telephone, Bismarck and the ... 228
Tellurium Light ... 233
Transatlantic Telephony ... 338
Transcontinental 'Phone Line, Fourth ... 215
Widespread Use of Power ... 169
Windmill Power ... 358

ENGINEERING, CIVIL and MECHANICAL

Abrasion Testing ... 58
Augur, Motorized Pole-Hole ... 110
Ball Bearings, Tiny ... 56
Bearings, Pickwick Dam Thrust ... 290
Bridges, Hinged Arch ... 227
Brinell Tester, Portable ... 92
City Built on Marsh ... 69
Dam, Turtle Creek ... 45, 355
Everglades, Reclamation of ... 325
Flood Forecasting ... 261
Foundry Cores, Milk in ... 159
Hydraulic Press, Largest ... 164
Lake Mead, Largest Man-Made ... 108
Map and Contour Plotter ... 353
Power from Bacteria ... 208
Sand Blast Gun ... 296
Sedimentation, Study of ... 354
Slag, Outlets for ... 357
Sulfur Plant on Stilts ... 69
Tank, Huge, Shipped by Water ... 55
Tank, Reinforced Concrete ... 287
Tractor, High Speed ... 228
Treasure Island, Building ... 205
Tunnel, Lincoln ... 10
Vessel, Sailing, Floated on Mud ... 25
Wells, Deep ... 59

ETHNOLOGY. See *Archeology, etc.*

FOODS

Diet for Colds ... 45
Diet of American Families ... 171
Dietary Idiosyncrasies ... 330
Fat From Coal ... 105
Fish, Keeping, Fresh ... 290
Fish, Vitamins in ... 348
Food and Drug Act, Proposed ... 73, 88
Fruits, Carbon Dioxide Preserves ... 93
Milk, Constituents of ... 291
Milk, Unpasteurized ... 56
Poison Sprays on Vegetables ... 105
Whey, Uses for ... 295

FORESTRY

Black Gum, Paper from ... 109
Timber Raising ... 56
Wood Grown to Order ... 141

FUELS

Coal, Chemicals Do Not Improve ... 108
Oil Well "Christmas Tree" ... 321
Taxation of Fuel Oil ... 265

GAME

Game, Vanishing, in United States ... 5
Shark Shooting ... 343

GENETICS

Inheritance, Machinery of ... 336

GEOLOGY

Dinosaur Trails ... 72
Methods, New ... 137

HEALTH. See *Medicine*

INDEX TO VOLUME 158, JANUARY-JUNE, 1938

AGRICULTURE

Bees, Benefits of ... 363
"Brown Patch" Controlled ... 295
Everglades, Farms in ... 325
Fertilizer, Heat Treated Phosphate ... 58
Insecticide (Nicotine Thiocyanate) ... 169
Insecticides, Colored ... 228
Insects, Vanishing ... 109
"Mechanical Mole" Builds Ridge ... 31
Milk, Deodorizing ... 170
Moonlight, Effect of, on Crops ... 57
Oil Heat Saves Fruit ... 81
Plant Breeding ... 129, 133
Poison Sprays on Vegetables ... 105
Potato Sorting Machine ... 32
Radio Waves Treat Seeds ... 238
Rodents, Repelling ... 158
Soil-less Agriculture At Home ... 362
Timber Raising ... 56

AIR CONDITIONING

Balsam-Wool Insulation ... 227
Employee Sickness Reduced ... 235
Insulation, Folded Aluminum ... 296
Mica for Insulation ... 298
Store System ... 292

ALLOY BUILDING ... 78, 152

ARCHEOLOGY, ANTHROPOLOGY, and ETHNOLOGY

Lost City of Nevada ... 273
Ra-Mose and Hat-Nufer ... 14
Sumerian Culture ... 202

ARMY AND NAVY

Aircraft Carriers, Design of ... 68
Bomber, *XPBS-1* ... 162
Germ Warfare ... 9
Naval Construction ... 166
Naval Defense, Better ... 137
War, The Next ... 201
Warship Design, Aircraft Influence on ... 151

ASTRONOMY

Advances in Astronomical Research ... 142
Auriga, Huge Star in ... 206
Finds, New Astronomical ... 346
General Catalog Completed ... 282
Stars, Nearest ... 20
Stars, Pulsating ... 84

AUTOMOBILES

Design and Safety ... 34
Design, Ultra-Modern (Phantom Corsair) ... 168
Driver Training ... 329
Engine, Building V-16 ... 146
Engine Head, Copper-Alloy ... 291
Fiat "500" ... 172
Four-Wheel-Drive V8 ... 355
Gear Shift Remote Control ... 223
Headlights, Non-Glare ... 355
Skid Dangers, Study of ... 227
Tire Valves, Bendable ... 239
Tractor, Amphibion ... 352
Tractor, High Speed ... 228
Traffic Survey ... 17
Trailer for Freight ... 32
Truck, New Armored ... 94

AVIATION

Aircraft and the Merchant Marine ... 100
Aircraft, Detection of ... 290
Aircraft Radio, Inventions in ... 162
Air Liner of the Future ... 288
Airship, Revival of? ... 350
Boeing Stratoliner ... 350
Bomber, *XPBS-1* ... 162
Bombing, The Sport of Amateur ... 104
Clipper Ship, Building A ... 82
Deafness, Flying, Controlled ... 165
Douglas *DC-4* ... 289
Engine, Multiple ... 352
Engine Power Calculator ... 288
Engines for Light Planes ... 351
Fighting Plane, *XFM-1* ... 257
Flap Indicator ... 289
Flight Analyzers ... 101
Glider Meet, Elmira ... 52
High Altitude for Safety ... 104
Industrial Aspects of Aviation ... 54
Inspection of Airplanes ... 225
Mapping from the Stratosphere ... 160
Mayo Composite Seaplane ... 53
Mock-Ups ... 160
Motorized Balloon, *C-6* ... 225
Motorized Balloons ... 164
Night Landing, Photograph of ... 162
Orientator, Airport ... 290
Private Flyers, Planes for ... 103
Pursuit Plane, *P-37* ... 289
Radio Transmitter, Aircraft ... 288
Regulations, New Civil Air ... 104
Rockets, Progress with ... 270
Seaplane Landings ... 52
Static Detector ... 225
Sub-Stratosphere Plane, Lockheed ... 226
Test House for Motors ... 224
Torpedo Boat, Navy ... 351
Transatlantic Terminal ... 54
Vertaplane, The Herrick ... 102
Warship Design, Aircraft Influence on ... 151
World's Fair, Aviation Section at ... 288

BIOGRAPHY and PORTRAITS

Bendix, Vincent ... 259
Clemenceau, Georges ... 77
Cogshall, W. A. ... 143
Comstock, Anthony ... 75
Goddard, Robert H. ... 271
Horan, John M. ("Soda Ash Johnny") ... 226
House, Edward Mandell ... 77
Jacobs, Thornwell ... 158
Johnston, John ... 3
Moss, Sanford A. ... 226
Nation, Carrie ... 74
Newton, Sir Isaac ... 76
Pauling, Linus ... 131
Spemann, Hans ... 138
Stevens, Thad ... 76
Swedenborg, Emanuel ... 75
Wilson, Woodrow ... 77

BIOLOGY

Enzymes ... 138
Life, Can Man Create? ... 219
Microbes for the Future ... 175

BUILDING CONSTRUCTION

Insulation, Folded Aluminum ... 296
Laboratory, Newly Designed ... 159
Mica for Insulation ... 298
Stone, Manufactured ... 45
Timbers, New Joints for ... 294

BUSINESS

Caveat Vendor ... 189
Corporation Licenses ... 189
Federal Trade Commission, New Powers for ... 379
Photo-Lettering Machine ... 230
Political Management ... 348
Price Cutting ... 253, 317
Protecting Agreements ... 189
RFC Competition ... 379
Taxation of Fuel Oil ... 265

CHEMISTRY

Aerogels ... 175
Alcohols from Sugar ... 30
Blueprinting Through Ordinary Paper ... 96
By-Product Utilization ... 297
Cellophane ... 274
Coal, Chemicals Do Not Improve ... 108
Combustion, Self-Extinguishing ... 37
Corrosion Resistant Tank Lining ... 297
Cyclohexylamine ... 94
Fluorine, Removing, from Water ... 291
Glass Stoppers ... 292
Micro-Analysis ... 276
Oat Hulls, Solvents from ... 39
Perfumes, Synthetic, Excel ... 98
Power from Bacteria ... 208
Refractory, New Synthetic ... 92
Resins, New Thermoplastic ... 299
Senses of Smell and Taste ... 107
Starch, Sweet Potato ... 280
Synthetic Hard Materials ... 354
Tobacco, Ethylene Treatment of ... 298
Water Softener, Zeo-Karb H ... 352
Wetter Water ... 56

COLORS, NEW SYSTEM FOR NAMING ... 284

CRIMINOLOGY

Criminals, Treatment of ... 297
Marihuana ... 293
Teeth, Identification by the ... 90

ELECTRICITY

Cable Tracer ... 348
Cathode Ray Tube ... 105, 156
Dental Light ... 354
Furnace Elements, High Temperature ... 58, 171
Light Bulb, 14-Foot ... 107
Light, Industry Needs More ... 197
Light, Self-Contained Reflector in ... 361
Lighting Controlled by Photo-Electric Cells ... 235
Lightning Behavior ... 96
Low Temperatures Magnetically ... 168
Meters, Recording and Indicating ... 171
Network Calculator ... 293
Resonoscope ... 105
Shovel Kept Level, Electric ... 222
Switch, Silent Wall ... 174
Telephone, Bismarck and the ... 228
Tellurium Light ... 233
Transatlantic Telephony ... 338
Transcontinental 'Phone Line, Fourth ... 215
Widespread Use of Power ... 169
Windmill Power ... 358

ENGINEERING, CIVIL and MECHANICAL

Abrasion Testing ... 58
Augur, Motorized Pole-Hole ... 110
Ball Bearings, Tiny ... 56
Bearings, Pickwick Dam Thrust ... 290
Bridges, Hinged Arch ... 227
Brinell Tester, Portable ... 92
City Built on Marsh ... 69
Dam, Turtle Creek ... 45, 355
Everglades, Reclamation of ... 325
Flood Forecasting ... 261
Foundry Cores, Milk in ... 159
Hydraulic Press, Largest ... 164
Lake Mead, Largest Man-Made ... 108
Map and Contour Plotter ... 353
Power from Bacteria ... 208
Sand Blast Gun ... 296
Sedimentation, Study of ... 354
Slag, Outlets for ... 357
Sulfur Plant on Stilts ... 69
Tank, Huge, Shipped by Water ... 55
Tank, Reinforced Concrete ... 287
Tractor, High Speed ... 228
Treasure Island, Building ... 205
Tunnel, Lincoln ... 10
Vessel, Sailing, Floated on Mud ... 25
Wells, Deep ... 59

ETHNOLOGY. See *Archeology, etc.*

FOODS

Diet for Colds ... 45
Diet of American Families ... 171
Dietary Idiosyncrasies ... 330
Fat From Coal ... 105
Fish, Keeping, Fresh ... 290
Fish, Vitamins in ... 348
Food and Drug Act, Proposed ... 73, 88
Fruits, Carbon Dioxide Preserves ... 93
Milk, Constituents of ... 291
Milk, Unpasteurized ... 56
Poison Sprays on Vegetables ... 105
Whey, Uses for ... 295

FORESTRY

Black Gum, Paper from ... 109
Timber Raising ... 56
Wood Grown to Order ... 141

FUELS

Coal, Chemicals Do Not Improve ... 108
Oil Well "Christmas Tree" ... 321
Taxation of Fuel Oil ... 265

GAME

Game, Vanishing, in United States ... 5
Shark Shooting ... 343

GENETICS

Inheritance, Machinery of ... 336

GEOLOGY

Dinosaur Trails ... 72
Methods, New ... 137

HEALTH. See *Medicine*

INDUSTRY

Abrasives and Their Uses 260, 266
Cellophane Making 274
Dust Hazards 26, 39
Lighting, Need for More 197
Packaging for Sales 173
Photo Engraving Textiles, Etc. 148
Pulp Mill Waste Used 208
Research at Mellon Institute 22
Starch, Sweet Potato 280

LIGHT

Bulbs, Inside Frosted 317
Industry Needs More Light 197
Polarized Light Inspection Instrument 30
Polaroid for Desk Illumination 293
Two Billion Candlepower 296

MEDICINE

Anesthetic, New Surgical 294
Beri-Beri Vitamin, Synthesis of 99
Blood From Cadavers 353
Brain Surgery 361
Cigarette Smoke Filter 292
Colds, Diet for 45
Colds, Rest in Bed for 356
Deafness, Flying, Controlled 165
Dementia Precox—Insulin Treatment 176
Dietary Idiosyncrasies 330
Dust Hazards 26, 39
Fever Therapy 172
Fluorine, Removing, from Water 291
Food and Drug Act, Proposed 73, 88
Health Bath, Stainless Steel 236
Heart Disease 57
Heart Pain and Overweight 233
Hormones 86
Insanity and Heart Afflictions 170
Insulin for Schizophrenia 278
"Lung," Rubber 111
Maggots, Synthetic (Allantoin) 168
Marihuana Dangerous 293
Nerve Transmission 38
Prontosil 9, 28
Schizophrenia, Insulin for 278
Snakes in Medicine 55
Socialized System of Medical Care 295
Sulfanilamide 9, 28
Tar Spraying, Precautions When 94
Tuberculosis, Dragnet for 354
Ultra-Violet, Sterilization by 324, 344
Vitamins in Fish 348

METEOROLOGY

Flood Forecasting 261
Lightning, Photograph of 363
Lightning, Thunderless 299
Meteorites, Fall of 111
Meteorological Observatory Jungfraujoch 132
Northern Lights 216
Seismology, Amateur 297

MINES AND METALLURGY

Abrasives 260, 266
Alloy Building, Science of 78, 152
Alloy Shields for Radium Rays 57
Aluminum, Melting 196
Copper Sheets, Gluing 177
Copper Tubing, Automatic Machine Made 65
Flame Softening 348
Indium in Bearings 357
Magnesium, Cheap 223
Metals, Atomic Structure of 340
Stainless Steel Tiles 359
Steel and Rubber Combined 296
Steel Production 59
Steel, Safe Tool (Malga) 167
Strip Mill, Giant 286

MISCELLANEOUS

Acreage Determined by Weight 287
Aquaria (Marineland, Florida) 333
Aquarium in Sailing Vessel 25
Beauty Preparations, Petroleum 301
Cadmus Believed Myth 300
Cigarette Smoke Filter 292
Currents, Dyes Test 98
Diver Descends 420 Feet 93
"Fossils"—Percussion Cores 229
Fountain, Air Fed 107
Fungus Captures Animal Prey 362
Hand Grinder, Air Turbine 301
Hopper Peace Foundation 30
Hose Valve, Remote Control 360
Humidifier, Automatic 291
Hyacinth Destroyer, Water 230
Magnifier, Adjustable Electrical 30
Magnifier, Binocular 286
Mattress, Sponge-rubber 96
Modeling Sheet 38
Paper from Black Gum Tree 109
Pocket Letter Scales 237
Resin Bearings, Lubricating 107
Roads Affect Drinking Water 36
Rug Slipping, Preventing 171
Salt Sculpture—Another Hobby 168
Senses of Smell and Taste 107
Sewing Machine, Upholstery 228
Shell, Kapa, for Decoration 291
Six-Day Rider's Muscle Power 108
6000 Years Hence 158
Sound Recording, Home 353
Spray Drying 239
Thermometer, Stainless Steel 93

NATURAL HISTORY

Owls and Fox Fire 175
Whales, Why Stranded, Die 297

NAVY. See *Army and Navy*

PAINTS AND VARNISHES

Atomizer for Paints 238
Dull Finish Paints and Varnishes 170
Leadleaf Paint 110
Luminescent Paint 235
Turpentine, Dehydrating 175
Water Resistance of Paints 167

PATENTS, COPYRIGHTS, and TRADE-MARKS

Box, Folding 253
Conflict in Patent Law 61
Co-Owners 253
Copyrighting a Code 61
Disclaimers 379
Doll, Diaper 317
"8 O'Clock" Trade Mark Upheld 189
Five-Year Patents 329
Headlights, Non-Glare 355
"Hi-Octane" Trade Mark Refused 61
Incubator Patent 317
Infringement, Strict Construction of 61
Interchangeable Patented Device 61
Interference, Helpful 125
Lawn Mower, Tires for 253
Map, Copyright of 125
"Pep" Upheld 125
Revisions and Copyright 253
Song Copyrights 379
Unpatented Product, Sale of 253
Valid Patents, Sale of 317
War-Time Patents 125

PHOTOGRAPHY and MOVING PICTURES

Agitator, Electric 371
Art, A Scientific 73
Bank Picture 31
Camera—Agfa Clipper 308
Camera—Argus, Model C 306
Camera—Falcon 306
Camera—Gevirette 51
Camera—Kodak Retina II 116
Camera—Super Ikonta B 243
Camera—Super-Sport Dolly 180
Camera—V. P. 370
Camera Gun, Leica 241
Competition, Theme 241, 302, 366
Contest, Kent State University 117
Contest, Rolleiflex 242
Contest, Scientific American, Winners 113
Dark-Room Kit 309
Dark-Room Outfit, Beginners' 118
Developer for High Speed 50
Developer, Quinotol 368
Doublfeaturitis 73
Enlarger—Dakko 307
Enlarger—Exakt 307
Enlarger—Federal 309
Enlarger—Kodak 16-MM 369
Enlarger—Precis 44 244
Exposure Meter—G. E. 183
Exposure Meter—Photrix 368
Film, Center-Numbering on 371
Film Editor, Eight-Millimeter 223
Film Fogging Freak 244
Film, Superpan Supreme 370
Filmpacks, Developing 364
Films, High Speed 50, 364
Films, Speed of 179
Flood Bulb, Schickerling 370
Flower Photography 305
Fotofolio Files 47, 243
"Framing" the Distant View 49
Graduate, Pyrex 306
Kodabrom, Latitude of 304
Leica, Film Kink for 305
Lens Shade, Arc 371
Lens, Your Camera 112
Lighting, Exercise in 240
Magniviewer, Imperial 371
Magno Viewer 369
Market for Photographs 118
Moon Phenomenon 367
Negative File 119
Negative Viewer 307
Negatives, Masking 244
News Photography 245
Night Photography 46
Photoflash, New 48, 308
Platinum Process 368
Portrait Photography, "Natural" 159
Prints, Filing 305
Remote Control Release 116
Retouching Set 308
Rhythmic Patterns 119
Science, Photography Aids 366
Seagulls 180
Space 51
Stirring Rod, Monel 181
Sun, The Setting 178
Sunlight on the Water 118
Tank Reel, Water Revolves 242
Time-Payments 118
Titles, Letters for Movie 236
Traffic, Photographing, from the Air 17
Trays, Bakelite Developing 371
Trays, Cleaning 367
Tripod, Vest Pocket 244
Viscose Sponge Hint 181
Wide Angle Lens 302

PHYSICS

Elements Beyond No. 92 237
Elements, Fundamentals of 340

PLASTICS

Catalin, Production of 1, 18
Electro-Plated Plastics 234
Styrene Resins 223

POWER

Diesel "Packaged Power" 212
Power From Bacteria 208

PSYCHOLOGY

Criminals, Treatment of 297
Extra-Sensory Perception 328
Paranoid Personality, The 74
Precognition 329
Research, Attitude Toward 265
Skull Size 223

RADIO

Aircraft Radio, Inventions in 162
Aircraft Transmitter, Midget 288
Facsimile, Finch System 334
Home Newspapers 334
Radio Nurse 349
Radio on Pitcairn Isle 109
Railroad Crossing Warning 349
Testing Radio Equipment 93
Transatlantic Telephony 338

RAILROADS

Directing System, Latest 106
Inspection Car 32
Radio Crossing Warning 349
Rail Manufacture (Brunorizing) 32
Rail Truck 229
Spring-Suspended Car 294
Streamlined Train, Building 210

RAYS

Cathode Ray Resonoscope 105
Cathode Ray Tube 156
Fluorescent Chalk 176
Fluorescing Signboards 96
Sterilization by Ultra-Violet 324, 344
Tuberculosis, X-Rays Track Down 354
Ultra-Violet Hand Lamp 174
Ultra-Violet, New Lamp for 222
X-Ray, Modern Use of 265

RESEARCH

China and Modern Science 144
Laboratory for Metallurgical Research 159
Mellon Institute 22
Research, Expansion of 201

RUBBER

Mattress, Sponge Rubber 96
Steel and Rubber Combined 296
Tire Balance 36
Tires, Non-Skid, for Airplanes 34
Transparent Rubber, Improved 356

SAFETY

Anatomical Shirt for First Aid Study 177
Explosimeter 158
Gas Masks, Full Vision 232
Highway Killers 159
Mercury Vapor Detector 290
Motor-Car Driver Training 329
Poison Sprays on Vegetables 105
Tar Spraying, Precautions When 94

TELESCOPES. See *Astronomy*

TEXTILES

Fireproofing Fabrics 349
Water Repellent Textiles 232

WELDING

Shotweld Process, Budd 193
Tank Ship, Welded 4